

*Fig. 1*

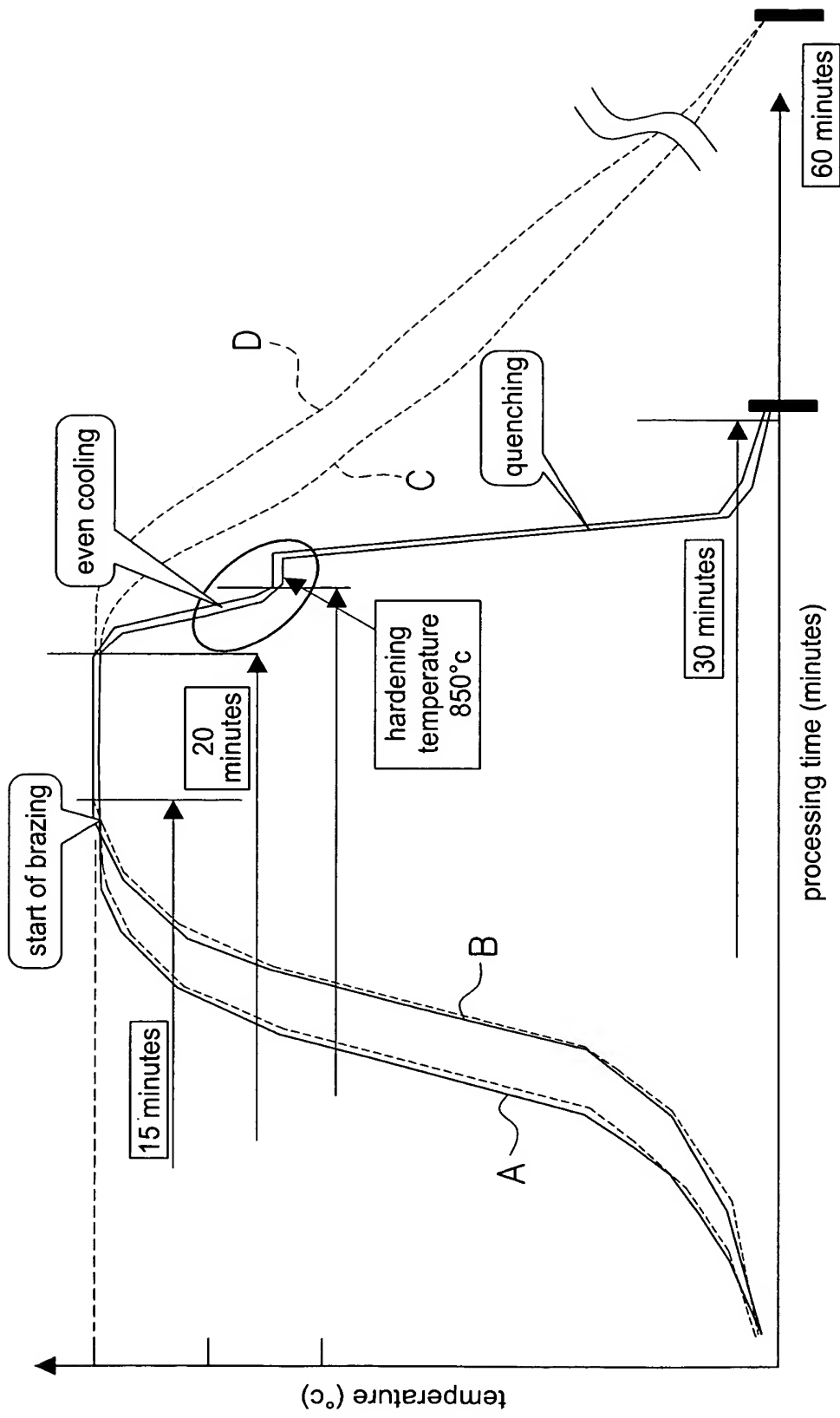


Fig. 2

| heat treatment classification | directions of specimens | tensile test                                    |  |                   | Charpy impact test |
|-------------------------------|-------------------------|---|--|-------------------|--------------------|
|                               |                         | 0.2% proof stress<br>( $\text{N}/\text{mm}^2$ ) | tensile strength<br>( $\text{N}/\text{mm}^2$ ) | elongation<br>(%) |                    |
| ①                             | L                       | 279   | 377  | 40.8              | 43                 |
|                               | T                       | 318   | 376  | 39.9              | 42                 |
|                               | D                       | 294   | 370  | 43.5              | 44                 |
| ②                             | L                       | 206   | 337  | 39.8              | 42                 |
|                               | T                       | 204   | 336  | 40.1              | 43                 |
|                               | D                       | 205   | 332  | 42.1              | 45                 |
| ③                             | L                       | 280   | 394  | 36.4              | 43                 |
|                               | T                       | 296   | 421  | 21.8              | 44                 |
|                               | D                       | 241   | 377  | 37.6              | 46                 |